02-24-06

2 3 2004		n applicable fee(s), to: <u>M</u> or <u>F</u>	Commissioner f P.O. Box 1450 Alexandria, Vir Fax (703) 746-4000	for Patents ginia 22313-1450	
STRUCTIONS This for properties and interest of the confidence of t	rm should be used for trans rrespondence including the P below or directed otherwise ns. CE ADDRESS (Note: Legibly mark-up	mitting the ISSUE FEE and P atent, advance orders and notif in Block I, by (a) specifying a with any corrections or use Block I)		uired). Blocks I through 4 will be mailed to the curren s; and/or (b) indicating a sep of mailing can only be used his certificate cannot be used	
23465 7.	590 12/08/2003	. •	papers. Each addition have its own certifica	nal paper, such as an assignmente of mailing or transmission.	nent or formal drawing, mus
JOHN S. BEULI C/O ARMSTRON ONE METROPOL SUITE 2600	G TEASDALE, LLP		I hereby certify that States Postal Service addressed to the Ma transmitted to the US	ertificate of Mailing or Tran this Fee(s) Transmittal is bein with sufficient postage for fi ail Stop ISSUE FEE addres PT, on the date indicated be	nsmission  In deposited with the United  In the contract of th
ST LOUIS, MO 63	3102-2740		Robert B	Reeser, III	(Depositor's name)
			4011		(Signature)
			February	23,) 2004	(Date)
A DDI LOA TIONING	FILING DATE	FIRST NAMED	INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
APPLICATION NO. 09/682,863 LE OF INVENTION: M	10/25/2001	Donald Thom US FOR AMPLIFICATION IN I		RD-27645 VIRONMENTS	9978
09/682,863	10/25/2001				9978  DATE DUE
09/682,863 LE OF INVENTION: M	10/25/2001 IETHODS AND APPARATU	US FOR AMPLIFICATION IN I	HIGH TEMPERATURE EN'	VIRONMENTS	
09/682,863  LE OF INVENTION: M  APPLN. TYPE  nonprovisional	10/25/2001 4ETHODS AND APPARATU SMALL ENTITY	US FOR AMPLIFICATION IN I	HIGH TEMPERATURE EN	VIRONMENTS  TOTAL FEE(S) DUE	DATE DUE
09/682,863  LE OF INVENTION: M  APPLN. TYPE  nonprovisional  EXAM	10/25/2001 METHODS AND APPARATU SMALL ENTITY NO	US FOR AMPLIFICATION IN I	PUBLICATION FEE \$300	VIRONMENTS  TOTAL FEE(S) DUE	DATE DUE
09/682,863  LE OF INVENTION: M  APPLN. TYPE  nonprovisional  EXAM  SHINGLETON  change of correspondence (1.363).	10/25/2001  METHODS AND APPARATU  SMALL ENTITY  NO  MINER  N, MICHAEL B  Re address or indication of "Federal Parameters and address of the second and address are second as a second and a	ISSUE FEE \$1330  ART UNIT  2817  e Address" (37  orrespondence  2. For prin names of agents OR, firm (havin	PUBLICATION FEE \$300  CLASS-SUBCLASS  330-253000  sting on the patent front page up to 3 registered patent and alternatively, (2) the name and as a member a registered	TOTAL FEE(S) DUE \$1630  c, list (1) the attorneys or cof a single lattorney or 2 Arms	DATE DUE
09/682,863 TLE OF INVENTION: M  APPLN. TYPE  nonprovisional  EXAM SHINGLETON Change of correspondence R 1.363).  Change of correspond Address form PTO/SB/I	10/25/2001 METHODS AND APPARATU SMALL ENTITY NO MINER N, MICHAEL B	ISSUE FEE \$1330  ART UNIT 2817  e Address" (37 orrespondence on form  2. For prim names of agents OR firm (havin agent) and attenuate of agents agent) and attenuate of agents or agent ag	PUBLICATION FEE \$300  CLASS-SUBCLASS 330-253000  sting on the patent front page up to 3 registered patent i, alternatively, (2) the name ing as a member a registered the names of up to 2 register agents. If no name is listed or agents. If no name is listed	TOTAL FEE(S) DUE \$1630  E, list (1) the attorneys or of a single attorney or stered patent  2 Arms	DATE DUE 03/08/2004 ert B. Reeser,
09/682,863  LE OF INVENTION: M  APPLN. TYPE  nonprovisional  EXAM  SHINGLETON Change of correspondence (2,1,363).  Change of correspondence (3,1363).  Change of correspondence (4,1363).  "I'ree Address" indication (1,1363).	In/25/2001  METHODS AND APPARATU  SMALL ENTITY  NO  MINER  N, MICHAEL B  Re address or indication of "Federal Englishment of the company of t	ISSUE FEE \$1330  ART UNIT 2817  e Address" (37 orrespondence on form of a Customer  E PRINTED ON THE PATENT	PUBLICATION FEE \$300  CLASS-SUBCLASS  330-253000  sting on the patent front page up to 3 registered patent; alternatively, (2) the name ag as a member a registered the names of up to 2 registered patent. If no name is listented.	total fee(s) DUE \$1630  c, list (1) the attorneys or of a single attorney or stered patent ed, no name  TOTAL FEE(s) DUE  Robe Arms  Arms	DATE DUE 03/08/2004  ert B. Reeser, strong Teasdale
09/682,863  LE OF INVENTION: M  APPLN. TYPE  nonprovisional  EXAM  SHINGLETON  Change of correspondence R 1.363).  Change of correspondence R 1.364).  Change of correspondence R 1.365).  Change of correspondence R 1.364).  Change of correspondence R 1.364).  Change of correspondence R 1.365).  Change of correspondenc	In 10/25/2001  METHODS AND APPARATUM  SMALL ENTITY  NO  MINER  N, MICHAEL B  The address or indication of "Ference address (or Change of Cota) attached.  The indication of "Ference address" Indication or more recent) attached. Use  O RESIDENCE DATA TO BE an assignee is identified belowed to the USPTO or is being sufficient.	ISSUE FEE \$1330  ART UNIT  2817  e Address" (37 orrespondence on form of a Customer  E PRINTED ON THE PATENT ow, no assignee data will appear ubmitted under separate cover. C  (B) RESIDENCI	PUBLICATION FEE \$300  CLASS-SUBCLASS  330-253000  sting on the patent front page up to 3 registered patent; alternatively, (2) the name ing as a member a registered the names of up to 2 registor agents. If no name is listented.  (print or type)  r on the patent. Inclusion of a completion of this form is NC E: (CITY and STATE OR CC	total fee(s) due  \$1630    Total fee(s) due  \$1630    Roberattorneys or the attorneys or the attorney or the attorney or the stered patent ted, no name   Arms of the attorney or the attorney	DATE DUE 03/08/2004  ert B. Reeser, strong Teasdale
09/682,863  LE OF INVENTION: M  APPLN. TYPE  nonprovisional  EXAM  SHINGLETON  Change of correspondence R 1.363).  Change of correspondence R 1.364).  Change of correspondence R 1.365).  Change of correspondence R 1.364).  Change of correspondence R 1.364).  Change of correspondence R 1.365).  Change of correspondenc	In 10/25/2001  METHODS AND APPARATUM  SMALL ENTITY  NO  MINER  N, MICHAEL B  The address or indication of "Ference address (or Change of Cota) attached.  The interpolation of "Ference address" Indication or more recent) attached. Use  D RESIDENCE DATA TO BE at an assignee is identified belowed to the USPTO or is being stopping to the control of the	ISSUE FEE \$1330  ART UNIT  2817  e Address" (37 orrespondence on form of a Customer  E PRINTED ON THE PATENT ow, no assignee data will appear ubmitted under separate cover. C  (B) RESIDENCI	PUBLICATION FEE \$300  CLASS-SUBCLASS  330-253000  sting on the patent front page up to 3 registered patent and alternatively, (2) the name ag as a member a registered the names of up to 2 registered the names of up to 2 registered the name is listented.  (print or type)  r on the patent. Inclusion of a completion of this form is NC	total fee(s) due  \$1630    Total fee(s) due  \$1630    Roberattorneys or the attorneys or the attorney or the attorney or the stered patent ted, no name   Arms of the attorney or the attorney	DATE DUE 03/08/2004  ert B. Reeser, strong Teasdale
09/682,863 LE OF INVENTION: M  APPLN. TYPE  nonprovisional  EXAM  SHINGLETON  hange of correspondence 1.363).  Change of corresponded resorresponded resorre	In 10/25/2001  METHODS AND APPARATUM  MINER  N, MICHAEL B  Metaddress or indication of "Feetence address or indication of "Feetence address" Indication (or "Feetence address" I	ISSUE FEE \$1330  ART UNIT  2817  e Address" (37 orrespondence on form of a Customer  E PRINTED ON THE PATENT ow, no assignee data will appear ubmitted under separate cover. C  (B) RESIDENCI	PUBLICATION FEE  \$300  CLASS-SUBCLASS  330-253000  Iting on the patent front page up to 3 registered patent a registered patent as a member a registered the names of up to 2 registered the name is listed.  (print or type)  r on the patent. Inclusion of a completion of this form is NO E: (CITY and STATE OR CO.e.enectady, New Y	total fee(s) due  \$1630    Total fee(s) due  \$1630    Roberattorneys or the attorneys or the attorney or the attorney or the stered patent ted, no name   Arms of the attorney or the attorney	DATE DUE 03/08/2004  ert B. Reeser, strong Teasdale iate when an assignment has
O9/682,863  LE OF INVENTION: M  APPLN. TYPE  nonprovisional  EXAM  SHINGLETON  Change of correspondence R 1.363)  O Change of correspondence R 1.364)  O "Fee Address" indicate PTO/SB/47; Rev 03-02  Number is required.  SSIGNEE NAME AND PLEASE NOTE: Unless been previously submitte A) NAME OF ASSIGN  General Ele  use check the appropriate The following fee(s) are	In 10/25/2001  METHODS AND APPARATUM  SMALL ENTITY  NO  MINER  N, MICHAEL B  The address or indication of "Federal address or indication of "Federal address" Indication (or "Fee Address" Indication or more recent) attached. Use  D RESIDENCE DATA TO BE at an assignee is identified beload to the USPTO or is being sufficient or more recent.  EEE Ctric Company  The assignee category or category or category and appears to the company of the company of the category or category.	ISSUE FEE \$1330  ART UNIT  2817  e Address" (37 orrespondence on form of a Customer  E PRINTED ON THE PATENT ow, no assignee data will appearabilitied under separate cover. C  (B) RESIDENCI S ch  ies (will not be printed on the pa 4b. Payment of F	PUBLICATION FEE \$300  CLASS-SUBCLASS  330-253000  sting on the patent front page up to 3 registered patent; alternatively, (2) the name in gas a member a registered the names of up to 2 registered the names of up to 2 registered the name is listented.  (print or type)  If on the patent, Inclusion of a completion of this form is NO E: (CITY and STATE OR COMPLETE OR	TOTAL FEE(S) DUE \$1630  c, list (1) the attorneys or of a single attorney or stered patent ed, no name  assignee data is only appropror a substitute for filing an assountry)  Tork  corporation or other private general steres are substituted.	DATE DUE 03/08/2004  ert B. Reeser, strong Teasdale iate when an assignment has
09/682,863 LE OF INVENTION: M  APPLN. TYPE  nonprovisional  EXAM  SHINGLETON Change of correspondence 1.363).  Change of correspondence 1.00 indicate 1.00 i	In 10/25/2001  METHODS AND APPARATUM  SMALL ENTITY  NO  MINER  N, MICHAEL B  The address or indication of "Federal address or indication of "Federal address" Indication (or "Fee Address" Indication or more recent) attached. Use  D RESIDENCE DATA TO BE at an assignee is identified beload to the USPTO or is being sufficient or more recent.  EEE Ctric Company  The assignee category or category or category and appears to the company of the company of the category or category.	ISSUE FEE \$1330  ART UNIT  2817  e Address" (37 orrespondence on form of a Customer  E PRINTED ON THE PATENT ow, no assignee data will appearabenitted under separate cover. C  (B) RESIDENCI S c h  ies (will not be printed on the pa 4b. Payment of F	PUBLICATION FEE \$300  CLASS-SUBCLASS  330-253000  sting on the patent front page up to 3 registered patent; alternatively, (2) the name in gas a member a registered the names of up to 2 registor agents. If no name is listented.  (print or type)  r on the patent. Inclusion of a completion of this form is NO E: (CITY and STATE OR COMPLETE OR	TOTAL FEE(S) DUE \$1630  c, list (1) the attorneys or of a single attorney or stered patent ed, no name  assignee data is only appropror a substitute for filing an assountry)  Tork  corporation or other private generolsed.	DATE DUE 03/08/2004  ert B. Reeser, strong Teasdale iate when an assignment has

(Authorized \$ (Date) 2/23/04

NOTE; The size five and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Alexandria, Virginia 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

02/27/2004 RBELETE2 00000127 012384 01 FC:1501 02 FC:1504

09682863

1330.00 DA 300.00 DA



## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Donald Thomas McGrath

Serial No.: 09/682,863 : Group Art Unit: 2817

Filed: October 25, 2001 : Examiner: Michael B. Shingleton

For: METHODS AND APPARATUS FOR

AMPLIFICATION IN HIGH TEMPERATURE

**ENVIRONMENTS** 

## CERTIFICATE OF MAILING BY EXPRESS MAIL TO THE COMMISSIONER OF PATENTS AND TRADEMARKS

Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Express Mail Mailing Label No.: EL977941265US

Date of Mailing: February 23, 2004

I hereby certify that the documents listed below:

- Issue Fee Transmittal
- Postcard

are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. §1.10 on the date indicated above in an envelope addressed to Mail Stop ISSUE FEE, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Respectfully submitted,

Robert B. Receser II

Reg. Nd. 45,848
Armstrong/Teasdale LLP

One Metropolitan Square, Suite 2600

St. Louis, MO 63012 (314) 621-5070